BRUHAT BANGALORE MAHANAGARA PALIKE
YELHANKA ZONE ELECTRICAL DIVISION

Office of the Executive Engineer
Electrical Division, Yelahanka Zone
Bruhath Bengaluru Mahanagara Palike

"Schedule-B"

Name of Work:-Providing and Supplying Electrical Fitting and timer in Yelahanka Division (Providing and Supplying of Remaining Electrical Fittings to Yelahanka Lake of Yelahanka Subdivision)

Sl.No.	Approved Qty	Description of Work	Unit	Approved Rates	
				in Figures	in words
		Yelahanka kere ballanced work			
1	100	Supplying High pressure Sodium Vapour street light luminaire **250Watts** suitable for use with high pressure Sodium Vapour lamp with integrated control gear & grey color power coated. The fitting shall be non corrosive pressure die cast aluminum housing with high purity anodized aluminum reflector with EPDM Gaskets suitable for Outer Dia of pole 40mm - 60mm. Cable Entry through a cable gland with toggle clips. IP65 Protection for both optical & Electrical Compartment. Bottom cover may be with Poly carbonate/tempered/ toughened glass. Luminaire efficiency should be >60% & ambient temperature > 35 deg C. High Intensity Discharge Electro Magnetic Ballast with Copper winding of Orthocyclic winding coil. Class H insulated dual coated copper wire. Compliance to IEC 61347-2-9 Safety & IEC 60923 - Performance. Winding Temperature for HID Ballast Tw = 130 deg C & temperature rise ?T = 70 deg C. Luminaire shall be suitable to operate on 230/250 Volts finish including wiring, suitable to operate on 230/250 Volts 50 Hz AC supply finish including wiring, ignitor, condenser. SS Toggles for opening front hingeable glass.	Nos	6900.00	Rupees Six Thousand Nine Hundred Only
2	100	Supplying and Fixing of..... mm dia class A GI pipe bracket up to 2 mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40 watts fluorescent tube street light fitting of all capacities to GI or CI or rail or RCC pole / wall using suitable clamps, bolts, and nuts and wiring using suitable capacity wires.Using 32mm dia G.I.pipe	each	893.00	Rupees Eight Hundred Ninety Three Only
3	10	Decorative Carbon and Steel pole light: Lighting pole arrangement with steel pole of Dia 165mm, 4mm thick, height of the pole 3000mm, with a base plate of 300mm square of thickness 15mm. The pole is galvanized and painted black outside. The pole has perforations that are internally covered with acrylic tube. There is an arrangement of fixing retrofit CFL of 36 Watts. The main lighting source consists of 150 Watts M.H G-12 lamp suitably wired with ballast, ignitor, condenser etc., The reflector is placed on a triangular frame and the reflector is made of ABS material including supplying and fixing foundation bolts manufactured from special steel along with nuts, washers, anchor plates and templates with all lead and lift other incidental charges etc., all complete as per the standard specification.	Each	29500.00	Rupees Twenty Nine Thousand Five Hundred Only

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4	14	Fabricating, supplying and erection of ...Mtrs long hot dip Galvanized Octagonal pole with BSEN 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangements, including suitable boards, Bakelite sheet and MCBs as per IS specifications suitable to withstand the wind speed of 47 m/sec for .....Mtrs pole in single section and single joint welded as per IS 9595/IS 10178AWS having dimensions bottom .....mm, top....mm with 3mm thick, suitable base plate and 4Nos of ..... long J bolts along with template and the pole shall be hot dip galvanized in single dipping with not less than 65micron as per ASTM-A123 and 153 etc., (excluding foundation) as per drawing appended 7 meters - Top 70mm and bottom 130mm dia	Each	12240.00	Rupees Twelve Thousand Two Hundred Forty Only
5		LED Street light. Supply of LED Streetlight with pressure die cast aluminum housing body with optimal heat sink for better thermal dissipation. Diffuser with Injection moulded & is made of polycarbonate material with high transmission index, delivering superior light output. Rated life Burning Hrs. 50000 hr. @ Lumen Maintenance of 70%. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains Current should not be greater than 0.1A to 0.7A & Surge Protection- Min 4 KV along with Over voltage/Overload, short circuit/ miswiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS, UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with			Rupees Nil
	9	LED Light fixture with ..... W System Power consumption. LED Efficiency>130lm/w at 1W & Fixture Efficiency >80lm/w with nominal CRI 75+. housing with supplier word mark / name shall be engraved / Embossing on the die cast housing / body part. . Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008. Warranty of 5 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED source manufacturer. Suitable for A1/A2 Roads as per IS 1944 Part I & Part II.90 Watts	Nos	31250.00	Rupees Thirty One Thousand Two Hundred Fifty Only
6	14	Providing Rcc Pole pedstal of Size 0.5x0.5x1.6 Mtrs Including digging of pit, tor steel, anchoring bolts nuts ,templates ,Centring,1:4:8base concrete,1:2:4pedestal concrete and etc coplete as per the data sheet enclosed	Each	4199.00	Rupees Four Thousand One Hundred Ninety Nine Only

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7	16	Supplying of LED Floodlight with ..... W System Power consumption pressure die cast aluminum housing with powder coating with IP 65 protection. 1, 200-275V voltage with electronic Driver, PF>0.9, should meet ANSI 2G Vibration test, Compliance to UL/CE with Class I. System rating shall be 50K hrs. @ Lumen maintenance of 70%, system efficacy > 80lm/w. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .....W System Power consumption. LED Efficiency>130lm/w at 1W & Fixture Efficiency >80lm/w with nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008. Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 5 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer LED Floodlight 110W	Nos	17593.00	Rupees Seventeen Thousand Five Hundred Ninety Three Only
8	6900	Supplying of LT UG cable having aluminium conductor PVC insulated, sheathed, galvanished, steel wire/steel tap armoured cable with PVC outer sheating 1.1 KV class.I. Class 'A' PVC Cable. 4 core 16 sqmm	Per Mtr	140.40	Rupees One Hundred Forty And Paise Forty Only
	700	3.5 core 35 sqmm	Per Mtr	204.00	Rupees Two Hundred Four Only
9	6900	Labour charges for laying of 1.1 KV class UG cable when supplied agency in existing trench GI pipe / stoneware pipe / on wall /on pole as required. I. In existing trench/duct 6 sqmm to 16 sqmm	Per Mtr	10.80	Rupees Ten And Paise Eighty Only
	700	b)25sqmm to 75 sqmm	Per Mtr	16.00	Rupees Sixteen Only
10	5280	Digging of trench of 0.6 m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc.complete. (As perCivil SR KSRB I-2, P-7) a) In soil (ordinary)	Per Mtr	78.00	Rupees Seventy Eight Only
11	40	e) C C. cutting	Per Mtr	212.00	Rupees Two Hundred Twelve Only

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